

इंटरनेट

मानक

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IS 8093 (1976): Curette, Ballance's pattern [MHD 4: Ear, Nose and Throat Surgery Instruments]



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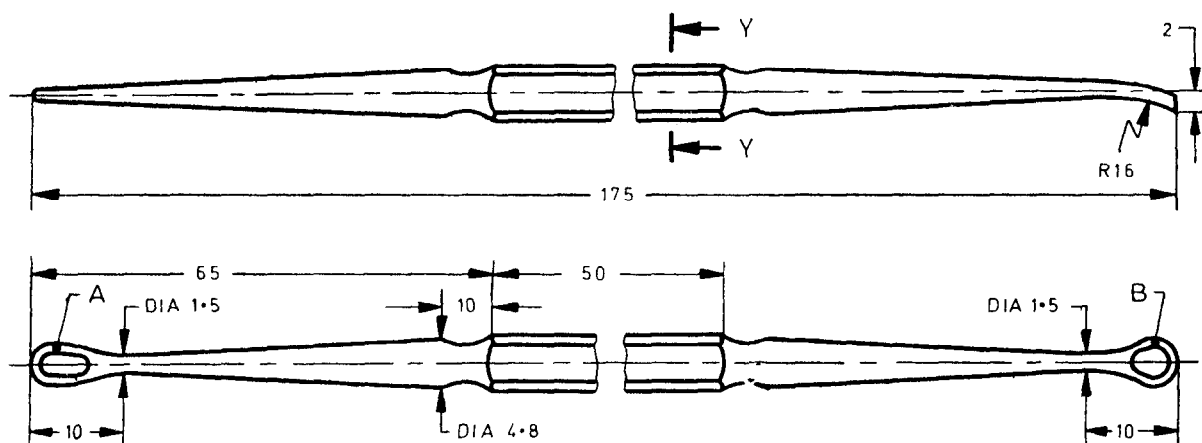
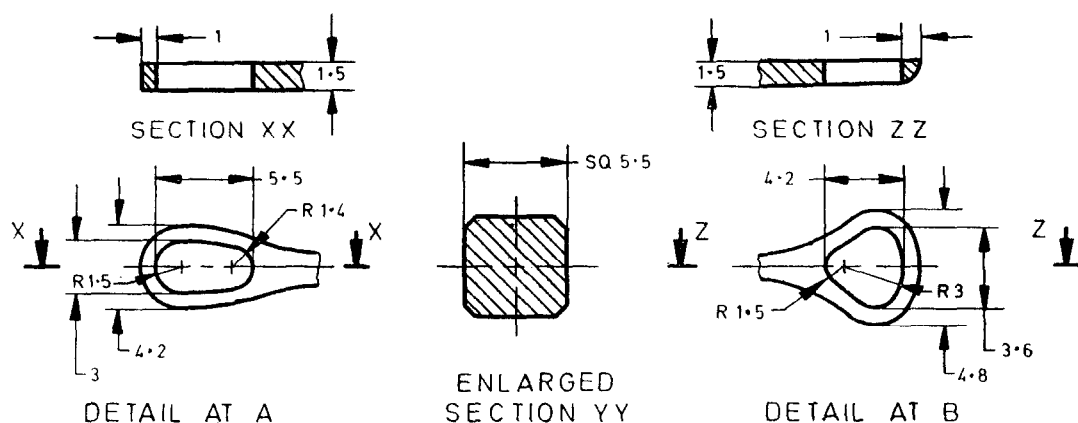


*Indian Standard*

SPECIFICATION FOR  
CURETTE, BALLANCE'S PATTERN

**1. Scope** — Covers dimensional and other requirements for Ballance's pattern double ended curette fenestrated with scoop used in ear, nose and throat surgery.

**2. Shape and Dimensions** — As shown in Fig. 1.



All dimensions in millimetres.

FIG. 1 CURETTE, BALLANCE'S PATTERN

**2.1** A deviation of  $\pm 2.5$  percent shall be allowed on all dimensions.

**3. Material** — Curette shall be of stainless steel conforming to Designation 30Cr13 of IS : 6603-1972 'Specification for stainless steel bars and flats'.

#### 4. Workmanship and Finish

**4.1** The surfaces of the curette shall be free from pits, dents, burrs, scale and other surface defects.

**4.2 All the edges shall be even and rounded off except the working ends which shall be semi-sharp at curette end and blunt at the scoop end.**

**4.3** The curette shall be uniformly hardened and tempered.

**4.4** The fenestration shall be neatly cut.

**Adopted 5 May 1976**

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**4.5** The curette shall be polished bright and passivated.

**4.6** The curette shall be well balanced and symmetrical on its centre line.

**5. Heat Treatment**— The curette shall be uniformly hardened and tempered. Hardness when measured as near the working edge as possible shall be between 400 and 450 *HV*.

## **6. Tests**

**6.1 Performance Test**— Clamp the middle portion of the curette in a suitable vice so that each end projects about 40 mm from the vice in the horizontal plane. Apply a force of 40 N (4 kgf approx) gradually from the working end at a distance of 15 mm from the tip. Similarly apply the force at the other end through the same distance. On completion of the test on both sides, the curette shall show no sign of damage or permanent set.

**6.2 Corrosion Resistance Test**— The curette shall satisfy the boiling and autoclaving test as mentioned in IS : 7531-1975 'Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments'.

**7. Marking**— The curette shall be marked with the manufacturer's name, initials or registered trade-mark.

**7.1 ISI Certification Marking**— Details available with the Indian Standards Institution.

**8. Packing**— The curette shall be wrapped in moisture-proof paper or packed in polyethylene bags avoiding contact with one another. The curette may also be packed as agreed to between the purchaser and the supplier.